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Run on:	June 20, 2000, 02:31:50 ; Search time 78.25 Seconds (without alignments)				
Scoring table:	BLOSUM62 Gapop 10.0 , Gapext 0.5				
Searched:	168808 seqs, 58629743 residues				
1 number of hits satisfying chosen parameters:	168808				
Minimum DB seq length: 0					
Maximum DB seq length: 1000000					
Post-processing:	Minimum Match 0%				
	Maximum Match 100%				
	Listing first 45 summaries				
Database :	PIR 6.3:*				
	1: pir1:*				
	2: pir2:*				
	3: pir3:*				
	4: pir4:*				
Pred. No. 1 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.					
SUMMARIES					
Result NO.	Score	Query Match Length	DB ID	Description	
1	22	100.0	47	D64402	
2	22	100.0	152695	hypothetical prote	
3	22	100.0	91	cyclin-dependent kinase	
4	22	100.0	2	551643	
5	22	100.0	92	1-aminoacyclopropan	
6	22	100.0	2	555734	
7	22	100.0	95	1-aminocyclopropan	
8	22	100.0	2	500956	
9	22	100.0	98	pir1	
10	22	100.0	99	pir2	
11	22	100.0	101	pir3	
12	22	100.0	2	559145	
13	22	100.0	106	pir4	
14	22	100.0	107	pir1	
15	22	100.0	108	pir2	
16	22	100.0	109	pir3	
17	22	100.0	119	pir4	
18	22	100.0	120	pir1	
19	22	100.0	121	pir2	
20	22	100.0	122	pir3	
21	22	100.0	122	pir4	
22	22	100.0	122	pir1	
23	22	100.0	125	pir2	
24	22	100.0	128	pir3	
25	22	100.0	134	pir4	
26	22	100.0	134	pir1	
27	22	100.0	137	pir2	
28	22	100.0	138	pir3	
29	22	100.0	138	pir4	
ALIGNMENTS					
RESULT 1	Query Match	Similarity	Score	DB ID	Description
	Best Local Matches	100.0%	22;	DB 2;	Length 47;
	4; Conservative	0;	Pred. No. 84;	Mismatches 0;	Indels 0;
					Gaps 0;
Qy	1	IYSY 4			
Db	33	IYSY 36			
RESULT 2					
	Query Match	Similarity	Score	DB ID	Description
	Best Local Matches	100.0%	22;	DB 2;	Length 47;
	4; Conservative	0;	Pred. No. 84;	Mismatches 0;	Indels 0;
					Gaps 0;
Qy	1	IYSY 4			
Db	33	IYSY 36			
R; Khatib, Z.A.; Matsushime, H.; Valentine, M.; Shapiro, D.N.; Sherr, C.J.; Look, A.T. Cancer Res. 53, 5535-5541, 1993					
C; Species: Homo sapiens (man)					
C; Date: 29-May-1998 #sequence_revision 29-May-1998 #text_change 10-Jul-1998					
C; Accession: I12695					
R; Khatib, Z.A.; Matsushime, H.; Valentine, M.; Shapiro, D.N.; Sherr, C.J.; Look, A.T. Cancer Res. 53, 5535-5541, 1993					
C; Species: Homo sapiens (man)					
C; Date: 29-May-1998 #sequence_revision 29-May-1998 #text_change 10-Jul-1998					
C; Accession: I12695					
A; Status: preliminary; translated from GB/EMBL/DDBJ					
A; Molecule type: DNA					
A; Residues: 1-89 <RES>					
A; Cross-references: GB:S67448; NID:9456768					
C; Genetics:					
C; Genes: GDB:CDK4					
A; Gene: GDB:CDK4					
A; Cross-references: GDB:204022; OMIM:123829					
A; Map position: 12q13-12q13					

Query Match 100.0%; Score 22; DB 2; Length 89;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02; Mismatches 0; Indels 0; Gaps 0;

Y 1 IYSY 4
 Y 78 IYSY 81

RESULT 3

551643 1-aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) - garden pea (fragment)
 Species: *Pisum sativum* (garden pea)
 Date: 07-May-1995 #sequence_revision 01-Sep-1995 #text_change 03-Dec-1999
 Accession: S51643
 Peck, S.C.; Kende, H.
 Submitted to the EMBL Data Library, December 1994
 Description: Sequential induction of ethylene biosynthetic enzymes by indole-3-acetic acid; Reference number: S51643
 Accession: S51643
 Status: preliminary
 Molecule type: mRNA
 Residues: 1-91 <PEC>
 Cross-references: EMBL:X83105; NID:9662079; PIDN:CAA58167.1; PID:9602080
 Keywords: carbon-sulfur lyase; ethylene biosynthesis; S-adenosylmethionine

Query Match 100.0%; Score 22; DB 2; Length 91;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IYSY 4
 QY 48 IYSY 51

RESULT 4

55734 -aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) (clone ACS-2) - garden pea (fragment)
 Species: *Pisum sativum* (garden pea)
 Date: 28-Oct-1995 #sequence_revision 24-May-1996 #text_change 03-Dec-1999
 Session: S55734
 Peck, S.C.; Kende, H.
 Plant Mol. Biol. 28, 293-301, 1995
 Title: Sequential induction of the ethylene biosynthetic enzymes by indole-3-acetic acid; Reference number: S55734; MUID:95322591
 Accession: S55734
 Status: not compared with conceptual translation
 Molecule type: mRNA
 Residues: 1-91 <PEC>

Query Match 100.0%; Score 22; DB 2; Length 92;
 Best Local Similarity 100.0%; Pred. No. 1.6e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IYSY 4
 QY 48 IYSY 51

RESULT 5

03677 it2 protein (clone PALL41), Pi starvation induced - common tobacco

Query Match 100.0%; Score 22; DB 2; Length 97;

C;Species: *Nicotiana tabacum* (common tobacco)
 C;Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 24-Mar-1999
 C;Accession: T03677
 R;Eaki, B.; Yamamoto, Y.; Matsumoto, H.
 Physiol. Plantarum 93, 11-18, 1995
 A;Title: Cloning and sequencing of the cDNAs induced by aluminium treatment and Pi starvation
 A;Reference number: Z14998
 A;Accession: T03677
 A;Status: preliminary; translated from GB/EMBL/DDJB
 A;Molecule type: mRNA
 A;Residues: 1-92 <EZAZ>
 A;Cross-references: EMBL:D29681; NID:d1019588; PID:d1006713
 A;Experimental source: strain Samson; clone PALL41
 C;Genetics:
 C;Gene: pit2

RESULT 6

S0956 hypothetical protein 8 - yeast (*Kluyveromyces marxianus* var. *lactis*) Plasmid pgk12
 C;Species: *Kluyveromyces marxianus* var. *lactis*; *Candida sphaerica*
 C;Accession: S0956
 R;Tommasino, M.; Ricci, S.; Galeotti, C.L.
 Nucleic Acids Res. 16, 5863-5878, 1988
 A;Title: Genome organization of the killer plasmid pgk12 from *Kluyveromyces lactis*.
 A;Reference number: S0959; MUID:88289339
 A;Accession: S0956
 A;Molecule type: DNA
 A;Residues: 1-95 <TOM>
 A;Cross-references: EMBL:X07776; NID:g2868; PIDN:CAA30610.1; PID:g2877
 C;Genetics:
 A;Genome: plasmid

RESULT 7

PH068 Ig light chain V region (clone sl7.166) - mouse (fragment)
 C;Species: *Mus musculus* (house mouse)
 C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 15-Jun-1996
 C;Accession: PH1068
 C;Title: Both IgM and IgG anti-DNA antibodies are the products of clonally selective proliferation
 R;Tilman, D.M.; Jou, N.T.; Hill, R.J.; Marion, T.N.
 J. Exp. Med. 176, 761-779, 1992
 A;Title: Both IgM and IgG anti-DNA antibodies are the products of clonally selective proliferation
 A;Reference number: PH0971; MUID:92381444
 A;Accession: PH1068
 A;Status: nucleic acid sequence not shown
 A;Molecule type: mRNA
 A;Residues: 1-97 <TIL>
 A;Experimental source: B cell, strain [NZB x NZW]F1
 C;Supplementary: immunoglobulin V region; immunoglobulin homology
 C;Keywords: immunoglobulin

		Best Local Similarity	100.0%	Pred. No.	1.7e+02;
Matches	4;	Conservative	0;	Mismatches	0;
SULT	8	Indels	0;	Gaps	0;
Accession:	PHI069	light chain V region (clone 185-c1) - mouse (fragment)			
Species:	Mus musculus (house mouse)				
Date:	30-Sep-1993	#sequence_revision	30-Sep-1993	#text_change	15-Jun-1996
TITLE:	Both IgM and IgG anti-DNA antibodies are the products of clonally selective B cells				
Reference number:	PH0971; MUID:92381444				
Accession:	PHI069				
Status:	nucleic acid sequence not shown				
Residues:	1-98 <TIL>				
Experimental source:	B cell, strain NZB x NZW/F1				
Keywords:	immunoglobulin				
Superfamily:	immunoglobulin V region; immunoglobulin homology				
Keywords:	immunoglobulin				
Query Match	100.0%	Score	22;	DB	2;
Best Local Similarity	100.0%	Length	98;		
Matches	4;	Pred. No.	1.7e+02;		
Conservative	0;	Mismatches	0;		
Indels	0;	Gaps	0;		
QY	1	IYSY	4		
Db	22	IYSY	25		
SULT	9				
Accession:	S59145	DH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 4L - land snail mitochondrial			
Species:	mitochondrion Arbinaria coerulea (land snail)				
Date:	19-Mar-1997	#sequence_revision	19-Mar-1997	#text_change	07-Dec-1999
Accession:	S59145				
Status:	translation not shown				
Residues:	1-99 <HAT>				
Cross-references:	EMBL:X83390; NID:975668; PIDN:CAA58298.1; PID:975671				
Genetics:					
Gene:	NDA4L				
Genome:	mitochondrion				
Genetic code:	SGC4				
Superfamily:	NADH dehydrogenase (ubiquinone) chain 4L				
Keywords:	membrane associated complex; mitochondrion; NAD; oxidative phosphorylation;				
Query Match	100.0%	Score	22;	DB	2;
Best Local Similarity	100.0%	Length	99;		
Matches	4;	Pred. No.	1.8e+02;		
Conservative	0;	Mismatches	0;		
Indels	0;	Gaps	0;		
QY	1	IYSY	4		
Db	77	IYSY	80		
SULT	10				
Accession:	S59145	Ig kappa chain V region (PR1) - mouse			
Species:	Mus musculus (house mouse)				
Date:	21-Sep-1993	#sequence_revision	17-Jul-1994	#text_change	16-Aug-1996
Accession:	B47329				
Brinkmann, R.; Gallo, M.; Brinkmann, E.; Kunwar, S.; Pastan, I.					
proc. Natl. Acad. Sci. U.S.A. 90, 547-551, 1993					
A;Title: A recombinant immunotoxin that is active on prostate cancer cells and that is					
A;Reference number: A47329; MUID:93133825					
Accession:	B47329				
Status:	preliminary				
Molecule type:	mRNA; protein				
Residues:	1-105 				
Experimental source:	Balb/c				
Note:	sequence modified after extraction from NCBI backbone				
Species:	Mus musculus (house mouse)				
Date:	20-Feb-1995	#sequence_revision	20-Feb-1995	#text_change	23-Jul-1999
SULT	11				
Accession:	TM0993	hypothetical protein - Thermotoga maritima (strain MSB8)			
Species:	Thermotoga maritima				
Date:	11-Jun-1999	#sequence_revision	11-Jun-1999	#text_change	11-Jun-1999
Accession:	G72308				
R;Nelson, K.E.; Clayton, R.A.; Gill, S.R.; Gwynn, M.L.; Dodson, R.J.; Haft, D.H.; Hlc C.M.; Stewart, A.M.; Cotton, M.D.; Pratt, M.S.; Phillips, C.A.; Richardson, Garrett, M.M.; Rodakis, G.C.; Lecanoud, R.					
Nature 399, 323-329, 1999					
A;Title: Evidence for lateral gene transfer between Archaea and Bacteria from genome A;Reference number: A72200; MUID:99287316					
A;Accession:	G72308				
A;Status: preliminary					
A;Molecule type: DNA					
A;Residues: 1-101 <ARN>					
A;Cross-references: GB:AE001761; GB:AE000512; NID:94981529; PID:94981533; TIGR:TM0993					
A;Experimental source: strain MSB8					
A;Genetics:					
A;Gene: TM0993					
SULT	12				
Accession:	B47329	Ig kappa chain V region (PR1) - mouse			
Species:	Mus musculus (house mouse)				
Date:	21-Sep-1993	#sequence_revision	17-Jul-1994	#text_change	16-Aug-1996
Accession:	B47329				
Brinkmann, R.; Gallo, M.; Brinkmann, E.; Kunwar, S.; Pastan, I.					
proc. Natl. Acad. Sci. U.S.A. 90, 547-551, 1993					
A;Title: A recombinant immunotoxin that is active on prostate cancer cells and that is					
A;Reference number: A47329; MUID:93133825					
Accession:	B47329				
Status:	preliminary				
Molecule type: mRNA; protein					
Residues:	1-105 				
Experimental source:	Balb/c				
Note:	sequence extracted from NCBI backbone (NCIN:122874)				
Species:	Mus musculus (house mouse)				
Date:	20-Feb-1995	#sequence_revision	20-Feb-1995	#text_change	23-Jul-1999
C;Keywords:	heterotetramer; immunoglobulin				

